

Page 12, line 24, after "TQLPYDH" insert --(SEQ.ID.NO:2)--.

Page 18, line 22, please delete the entire line as being partially redundant with the definition beginning on line 23: [ENDOGENOUS shall mean a material which a mammal naturally produces.]

Page 36, line 19, after "FCSREKKAA" insert --(SEQ.ID.NO:3)--.

Page 36, line 21, after "T" insert --(SEQ.ID.NO:4)--.

Page 37, line 7, after "SREKKAXKTL" insert --(SEQ.ID.NO:5)--.

Page 37, line 13, after "AVKLFKFSSREKKAXKTL" insert --(SEQ.ID.NO:6)--.

Page 38, line 4, after "CLDGLTTCGVVYPLSKNHLVVL" insert --(SEQ.ID.NO:7)--.

Page 38, line 5, after "CRIVCRHAQQIALQRHLLPASHYVATRKG" insert --(SEQ.ID.NO:8)--.

Page 38, line 19, before "D619G" insert --(SEQ.ID.NO:9)--.

Page 38, line 23, before "D619G" insert --(SEQ.ID.NO:10)--.

Page 39, line 14, after "(VTIL)" insert --(SEQ.ID.NO:11)--.

Page 39, line 23, after "ALITRTVKK" insert --(SEQ.ID.NO:12)--.

Page 40, line 16, before "V509A" insert --(SEQ.ID.NO:13)--.

Page 40, line 18, before "C672Y" insert --(SEQ.ID.NO:14)--.

Page 42, line 19, after "XRY" insert --(SEQ.ID.NO:15)--.

Page 43, line 10, after "EKKAA" insert --(SEQ.ID.NO:16)--.

Page 44, line 7, and line 14, after "EKKAA" insert --(SEQ.ID.NO:16)--.

Page 45, line 1, after "X<sub>1</sub>BBHyX<sub>2</sub>" insert --(SEQ.ID.NO:17; XaaXaaXaaXaaXaa)--.

P1 Page 45, lines 2-5, please amend the first full sentence:

A2 Where X<sub>1</sub> (the first Xaa in SEQ.ID.NO:17) can be any amino acid, preferably G, A or K; where B and B (the second Xaa and third Xaa in SEQ.ID.NO:17) are each [is] a basic amino acid; where Hy (the fourth Xaa in SEQ.ID.NO:17) is a hydrophobic amino acid, preferably A; and X<sub>2</sub> (the fifth Xaa in SEQ.ID.NO:17) is any amino acid, preferably K, R, E or a hydrophobic amino acid with a differing side chain to the original hydrophobic amino acid in that position.

~~Page 46, line 23, after "TQLPYDH" insert --(SEQ.ID.NO: 2)--.~~

~~Page 48, line 18, after "VYAGILSYRVGFFLFILVVAAVTLC" insert  
--(SEQ.ID.NO:1) .~~

~~Page 48, line 19, after "VYAGILSYXGFFLFILVVAAVTLC" insert --(SEQ.ID.NO:18)--.~~

~~Page 48, line 23, after "VTFIATVEGVLLFLILVVVVVGILI" insert --(SEQ.ID.NO:19)--.~~

~~Page 49, line 20, after "TQLPYDH" insert --(SEQ.ID.NO:2)--.~~

~~Page 49, line 22, after "QLPY" insert --(SEQ.ID.NO:20)--.~~

~~Page 73, line 18, after "5'-CTGGTCCTGCACCTTGCTGC-3" insert --(SEQ.ID.NO:21)--.~~

~~Page 73, line 19, after "5'-AGCATCACATAGGTCCGTGTCAC-3" insert  
--(SEQ.ID.NO:22)--.~~

~~Page 73, line 22, after "5'-ACCAGAAAGGGTGTGGGTACACTG-3" insert  
--(SEQ.ID.NO:23)--.~~

~~Page 73, line 23, after "5'-GGAACGAAAGGGCACTTG-3" insert --(SEQ.ID.NO:24)--.~~

~~Page 74, line 2, after "5'-GCTGCCTCGGGATTATTAG-3" --(SEQ.ID.NO:25)--.~~

~~Page 74, line 3, after "5'-GCCTATTAGCAGGAACATGGGTG-3" insert --(SEQ.ID.NO:26)--.~~

Please insert the attached "Sequence Listing" pages 77 through 87 after page 76 and immediately before the Claims.

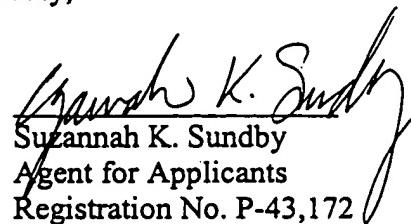
Please change page numbers "77", "78", "79", and "80" to --88--, --89--, --90--, and --91-- respectively.

If the Examiner needs any clarification or further information regarding the foregoing, the Examiner is invited to contact either of Applicants' attorneys of record, Richard P. Burgoon, Jr., Esq. at (619) 453-7200, or Laurence A. Weinberger, Esq. at (610) 431-1703.

Yours truly,

Dated: June 24, 1998

By:

  
Suzannah K. Sundby  
Agent for Applicants  
Registration No. P-43,172

cc:     Richard P. Burgoon, Jr.  
         Vice President & General Counsel  
         Arena Pharmaceuticals, Inc.  
         6166 Nancy Ridge Drive  
         San Diego, CA 92121